

L Number	Hits	Search Text	DB	Time stamp
3	53	(313/498-512.ccls. 428/690,917.ccls.) and ((electrode cathode) same ternary)	USPAT; US-PGPUB	2003/08/09 13:16
4	2	(organic near2 ((light near2 (emissive emitting emission)) EL electroluminescen\$2)) and ((electrode cathode) same ternary)	EPO; JPO; DERWENT	2003/08/09 13:41
5	6	(organic near2 ((light near2 (emissive emitting emission)) EL electroluminescen\$2)) and ((electrode cathode) same binary)	EPO; JPO; DERWENT	2003/08/09 14:35
6	1	((negative near2 electrode) same cathode) and 313/582.ccls.	EPO; JPO; DERWENT	2003/08/09 14:36
7	2	(negative near2 electrode) and (anode cathode) and 313/582.ccls.	EPO; JPO; DERWENT	2003/08/09 14:36
8	17	(negative near2 electrode) and (anode cathode) and 313/582.ccls.	USPAT; US-PGPUB	2003/08/09 14:37
9	100	(negative near2 electrode) and (anode cathode) and 313/504.ccls.	USPAT; US-PGPUB	2003/08/09 14:39
10	51	((negative near2 electrode) same (anode cathode)) and 313/504.ccls.	USPAT; US-PGPUB	2003/08/09 14:39
-	5374	(313/498,502,504,506-509,311).ccls. (428/690,917,212).ccls.	USPAT; US-PGPUB	2003/01/13 11:01
-	144	((electrode anode cathode) same ((rare with metal with earth) lanthanide lanthanum)) and ((313/498,502,504,506-509,311).ccls. (428/690,917,212).ccls.)	USPAT; US-PGPUB	2002/03/10 13:09
-	181	((electrode anode cathode) same ((rare with earth) lanthanide lanthanum)) and ((313/498,502,504,506-509,311).ccls. (428/690,917,212).ccls.)	USPAT; US-PGPUB	2002/03/10 13:09
-	10391	(electrode cathode anode) same ((rare with earth) lanthanide lanthanum Sc Y La Ce Pr Nd Sm Eu Gd Tb Dy Ho Er Tm Yb Lu) same (Zn B Al In Ti Si Ge Sn P Sb Bi S Se Te)	USPAT; US-PGPUB	2002/03/11 08:41
-	1139	((electrode cathode anode) same ((rare with earth) lanthanide lanthanum Sc Y La Ce Pr Nd Sm Eu Gd Tb Dy Ho Er Tm Yb Lu) same (Zn B Al In Ti Si Ge Sn P Sb Bi S Se Te)) and ((organic with (EL electroluminescen\$2) luminescen\$2 electroluminescen\$2 EL) (313/498,502,504,506-509,311).ccls. (428/690,917,212).ccls.)	USPAT; US-PGPUB	2002/03/11 08:52
-	5374	(313/498,502,504,506-509,311).ccls. (428/690,917,212).ccls.	USPAT; US-PGPUB	2002/03/11 08:42
-	196	(((electrode cathode anode) same ((rare with earth) lanthanide lanthanum Sc Y La Ce Pr Nd Sm Eu Gd Tb Dy Ho Er Tm Yb Lu) same (Zn B Al In Ti Si Ge Sn P Sb Bi S Se Te)) and ((organic with (EL electroluminescen\$2) luminescen\$2 electroluminescen\$2 EL)) and ((313/498,502,504,506-509,311).ccls. (428/690,917,212).ccls.)	USPAT; US-PGPUB	2002/03/11 08:42
-	348	((electrode cathode anode) same ((consisting composed made including element material selected) with ((rare with earth) lanthanide lanthanum Sc Y La Ce Pr Nd Sm Eu Gd Tb Dy Ho Er Tm Yb Lu)) same ((consisting composed made including element material selected) with (Zn B Al In Ti Si Ge Sn P Sb Bi S Se Te))) and ((organic with (EL electroluminescen\$2) luminescen\$2 electroluminescen\$2 EL))	USPAT; US-PGPUB	2002/03/11 08:59
-	343	((electrode cathode) same ((consisting composed made including element material selected) with ((rare with earth) lanthanide lanthanum Sc Y La Ce Pr Nd Sm Eu Gd Tb Dy Ho Er Tm Yb Lu)) same ((consisting composed made including element material selected) with (Zn B Al In Ti Si Ge Sn P Sb Bi S Se Te))) and ((organic with (EL electroluminescen\$2) luminescen\$2 electroluminescen\$2 EL))	USPAT; US-PGPUB	2002/03/11 10:37
-	53508	(cathode electrode) same (((plural plurality) with (layer film)) multilayer (multi with layer) stack\$3 multiple)	USPAT; US-PGPUB	2002/03/11 09:04

	191	((electrode cathode) same ((consisting composed made including element material selected) with ((rare with earth) lanthanide lanthanum Sc Y La Ce Pr Nd Sm Eu Gd Tb Dy Ho Er Tm Yb Lu)) same ((consisting composed made including element material selected) with (Zn B Al In Ti Si Ge Sn P Sb Bi S Se Te))) and ((organic with (EL electroluminescen\$2)) luminescen\$2 electroluminescen\$2 EL)) and ((cathode electrode) same (((plural plurality) with (layer film)) multilayer (multi with layer) stack\$3 multiple))	USPAT; US-PGPUB	2002/03/11 09:04
	24	("3112197" "3173050" "3180703" "3180729" "3189447" "3240597" "3257203" "3382394" "3526501" "3542544" "3567450" "3615402" "3615404" "3658520" "3717462" "3820989" "4012376" "4127412" "4175961" "4232103" "4278746" "4539507" "4885211" "4950950").PN.	USPAT	2002/03/11 10:31
	2	5500568.URPN.	USPAT	2002/03/11 10:35
	47	Fujii-hiroyuki.in.	USPAT; US-PGPUB	2002/03/11 11:01
	679	Nakamura-Hiroaki.in. Kusumoto-Tadashi.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/03/11 10:43
	145	(Nakamura-Hiroaki.in. Kusumoto-Tadashi.in.) and (EL electroluminescen\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/03/11 10:43
	91	(Nakamura-Hiroaki.in. Kusumoto-Tadashi.in.) and (EL electroluminescen\$2) and (cathode electrode)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/03/11 10:44
	1	Fujii-hiroyuki.in. and (EL electroluminescen\$2) and (cathode electrode)	EPO; JPO; DERWENT	2002/03/11 11:03
	2	("4885211" "5059862").pn.	USPAT; US-PGPUB	2002/03/11 13:10
	18	("3172862" "3173050" "3359445" "3382394" "3530325" "3621321" "3710167" "3772556" "3932314" "3995299" "4097762" "4165473" "4356429" "4369392" "4539507" "4671777" "4672268" "4675570").PN.	USPAT	2002/03/11 13:10
	87	4885211.URPN.	USPAT	2002/03/11 13:19
	11	5776623.URPN.	USPAT	2002/03/11 13:33
	5374	(313/498,502,504,506-509,311).ccls. (428/690,917,212).ccls.	USPAT; US-PGPUB	2002/03/11 15:57
	80	(cathode electrode) same (ce cerium) same (work with function)	USPAT; US-PGPUB	2002/03/11 16:24
	45	((cathode electrode) same (ce cerium) same (work with function)) and ((313/498,502,504,506-509,311).ccls. (428/690,917,212).ccls.)	USPAT; US-PGPUB	2002/03/11 16:04
	2	("5500568" "6284393").pn.	USPAT; US-PGPUB	2002/03/11 16:06
	37	((313/498,502,504,506-509,311).ccls. (428/690,917,212).ccls.) and ((electruluminescen\$2 luminescen\$2) with (dop\$3 guest host)) and (molar with (mass ratio))	USPAT; US-PGPUB	2002/03/11 16:13
	163	((313/498,502,504,506-509,311).ccls. (428/690,917,212).ccls.) and ((organic electroluminescen\$2 luminescen\$2) same (fluorescen\$2 with (dop\$3 guest host)))	USPAT; US-PGPUB	2002/03/11 16:18
	1	5952779.pn.	USPAT; US-PGPUB	2002/03/11 16:19
	3390	((cathode electrode) same (ce cerium) same (work with function)) and ((fluorescen\$2 with dop\$3) same host) and (313/498,502,504,506-509,311).ccls. (428/690,917,212).ccls.	USPAT; US-PGPUB	2002/03/11 16:27
	11	((cathode electrode) same (ce cerium) same (work with function)) and ((fluorescen\$2 with dop\$3) same host) and ((313/498,502,504,506-509,311).ccls. (428/690,917,212).ccls.)	USPAT; US-PGPUB	2002/03/11 16:27
	41862	((electrode cathode) same (stack\$ multiple multilayer multilayered (multi with (layered layer))))	USPAT; US-PGPUB	2002/03/12 08:48

-	5381	(313/498,502,504,506-509,311).ccls. (428/690,917,212).ccls.	USPAT; US-PGPUB	2002/03/12 08:48
-	558	((electrode cathode) same (stack\$3 multiple multilayer multilayered (multi with (layered layer)))) and ((313/498,502,504,506-509,311).ccls. (428/690,917,212).ccls.)	USPAT; US-PGPUB	2002/03/12 08:56
-	394	((electrode cathode) with (stack\$3 multiple multilayer multilayered (multi with (layered layer)))) and ((313/498,502,504,506-509,311).ccls. (428/690,917,212).ccls.)	USPAT; US-PGPUB	2002/03/12 10:11
-	1	"5702281".PN.	USPAT	2002/03/12 09:35
-	5	5936257.URPN.	USPAT	2002/03/12 09:35
-	6	("5554449" "5589733" "5625255" "5675217" "5952779" "5969474").PN.	USPAT	2002/03/12 09:46
-	376	((electrode cathode) with (stack\$3 multiple multilayer multilayered (multi with (layered layer)))) and ((electroluminescen\$2 EL) with (device display panel))	EPO; JPO; DERWENT	2002/03/12 10:21
-	9	((electrode cathode) with (gradient gradual\$3)) and ((EL electroluminescen\$2) with (device display panel))	EPO; JPO; DERWENT	2002/03/12 10:23
-	4	6121727.URPN.	USPAT	2002/03/12 10:27
-	8	("4764625" "4923774" "4950950" "5445899" "5677572" "5739635" "5776622" "5776623").PN.	USPAT	2002/03/12 10:27
-	747	((electrode cathode) same (Be Ti V Cr Mn Zr Nb La Ce Pr Nd Sm Gd Tb Dy Ho Er Tm Lu Hf Ta)) and ((electrode cathode) same (H B C N O F Al Si P S Cl Ga Ge As Se Br In Sb Te I Tl Zn Cd Hg)) and ((313/498-512).ccls. (428/690,914).ccls.)	USPAT; US-PGPUB	2002/10/16 12:18
-	536	((electrode cathode) same (consisting containing comprising composed consisted material element selected made) same (Be Ti V Cr Mn Zr Nb La Ce Pr Nd Sm Gd Tb Dy Ho Er Tm Lu Hf Ta)) and ((electrode cathode) same (consisting containing comprising composed consisted material element selected made) same (H B C N O F Al Si P S Cl Ga Ge As Se Br In Sb Te I Tl Zn Cd Hg)) and ((313/498-512).ccls. (428/690,914).ccls.)	USPAT; US-PGPUB	2002/10/16 12:30
-	242	((electrode cathode) with (consisting containing comprising composed consisted material element selected made) with (Be Ti V Cr Mn Zr Nb La Ce Pr Nd Sm Gd Tb Dy Ho Er Tm Lu Hf Ta)) and ((electrode cathode) with (consisting containing comprising composed consisted material element selected made) with (H B C N O F Al Si P S Cl Ga Ge As Se Br In Sb Te I Tl Zn Cd Hg)) and ((313/498-512).ccls. (428/690,914).ccls.)	USPAT; US-PGPUB	2002/10/16 12:46
-	173	((electrode cathode) with (consisting containing comprising composed consisted material element selected made) with (Be Ti V Cr Mn Zr Nb La Ce Pr Nd Sm Gd Tb Dy Ho Er Tm Lu Hf Ta)) and ((electrode cathode) with (consisting containing comprising composed consisted material element selected made) with (H B C N O F Al Si P S Cl Ga Ge As Se Br In Sb Te I Tl Zn Cd Hg)) and ((313/498-512).ccls. (428/690,914).ccls.) and organic	USPAT; US-PGPUB	2002/10/16 12:54
-	264	((electrode cathode) with (consisting containing comprising composed consisted material element selected made) with (Be berilium Ti titanium V vanadium Cr chromium Mn manganese Zr zirconium Nb niobium La lanthanum Ce cerium Pr preseodymium Nd neodymium Sm samarium Gd gadolinium Tb terbium Dy dysprosium Ho holmium Er erbium Tm thulium Lu lutetium Hf hafnium Ta Tantalum)) and ((electrode cathode) with (consisting containing comprising composed consisted material element selected made) with (H hydrogen B boron C carbon N nitrogen O oxygen F fluorine Al aluminum Si silicon P phosphorus S sulfur Cl chlorine Ga gallium Ge germanium As arsenic Se selenium Br bromine In indium Sb antimony Te tellurium I iodine Tl thallium Zn zinc Cd cadmium Hg mercury)) and ((313/498-512).ccls. (428/690,914).ccls.) and organic	USPAT; US-PGPUB	2002/10/16 16:50
-	0	(CIE with chromatography) and 313/.ccls.	USPAT; US-PGPUB	2002/10/16 16:53
-	1	"6457474"	USPAT; US-PGPUB	2002/10/16 16:59

	789	((313/498,502,504,506-509,311).ccls. (428/690,917,212).ccls.) and ((electrode cathode anode) same (Be Ti V Cr Mn Zr Nb La Ce Pr Nd Sm Gd Tb Dy Ho Er Tm Lu Hf Ta) same (H B C N O F Al Si P S Cl Ga Ge As Se Br In Sb Te I Tl Zn Cd Hg))	USPAT; US-PGPUB	2003/01/13 11:11
	600	(((313/498,502,504,506-509,311).ccls. (428/690,917,212).ccls.) and ((electrode cathode anode) same (Be Ti V Cr Mn Zr Nb La Ce Pr Nd Sm Gd Tb Dy Ho Er Tm Lu Hf Ta) same (H B C N O F Al Si P S Cl Ga Ge As Se Br In Sb Te I Tl Zn Cd Hg))) not @ad>19991222	USPAT; US-PGPUB	2003/01/13 11:30
	2095	((313/498,502,504,506-509,311).ccls. (428/690,917,212).ccls.) and ((electrode cathode anode) same material)	USPAT; US-PGPUB	2003/01/13 11:36
	1825	((313/498,502,504,506-509,311).ccls. (428/690,917,212).ccls.) and ((electrode cathode anode) with material)	USPAT; US-PGPUB	2003/01/13 11:40
	199	((313/311,503,504,506).ccls. (428/690,917,212).ccls.) and (((electrode cathode anode) with material) same (Be Ti V Cr Mn Zr Nb La Ce Pr Nd Sm Gd Tb Dy Ho Er Tm Lu Hf Ta) same (H B C N O F Al Si P S Cl Ga Ge As Se Br In Sb Te I Tl Zn Cd Hg))	USPAT; US-PGPUB	2003/01/14 17:41
	24	("3112197" "3173050" "3180703" "3180729" "3189447" "3240597" "3257203" "3382394" "3526501" "3542544" "3567450" "3615402" "3615404" "3658520" "3717462" "3820989" "4012376" "4127412" "4175961" "4232103" "4278746" "4539507" "4885211" "4950950").PN.	USPAT	2003/01/13 13:15
	18	("3172862" "3173050" "3359445" "3382394" "3530325" "3621321" "3710167" "3772556" "3932314" "3995299" "4097762" "4165473" "4356429" "4369392" "4539507" "4671777" "4672268" "4675570").PN.	USPAT	2003/01/13 13:37
	111	4885211.URPN.	USPAT	2003/01/14 12:40
	33	5429884.URPN.	USPAT	2003/01/13 13:45
	0	6255774.URPN.	USPAT	2003/01/13 14:16
	9	("4539507" "5006915" "5047687" "5059861" "5059862" "5247190" "5399936" "5429884" "5776622").PN.	USPAT	2003/01/13 14:17
	2	5739635.pn. 6121727.pn.	USPAT; US-PGPUB	2003/01/13 15:29
	4	4885211.pn. 5047607.pn. 5059062.pn. 4769292.pn.	USPAT; US-PGPUB	2003/01/13 15:29
	210	((313/498,502,504,506-509,311).ccls. (428/690,917,212).ccls.) and (((electrode cathode anode) with material) same (Be Ti V Cr Mn Zr Nb La Ce Pr Nd Sm Gd Tb Dy Ho Er Tm Lu Hf Ta) same (H B C N O F Al Si P S Cl Ga Ge As Se Br In Sb Te I Tl Zn Cd Hg))	USPAT; US-PGPUB	2003/01/14 10:22
	1	6259204.pn.	USPAT	2003/01/14 16:54
	1	4769292.pn.	USPAT; US-PGPUB	2003/01/14 17:15
	113	"cd/A"	USPAT; US-PGPUB	2003/01/14 17:40
	206	((313/311,503,504,506).ccls. (428/690,917,212).ccls.) and (((electrode cathode anode) with material) same (Be Ti V Cr Mn Zr Nb La Ce Pr Nd Sm Gd Tb Dy Ho Er Tm Lu Hf Ta)) and (((electrode cathode anode) with material) same (H B C N O F Al Si P S Cl Ga Ge As Se Br In Sb Te I Tl Zn Cd Hg)) and (((electrode cathode anode) with material) same (Mo Re Fe Ru Os co Rh Ir Ni Pd Pt Cu Ag Au Hg B Tl Si Ge P As Sb Se Te))	USPAT; US-PGPUB	2003/01/14 17:53
	115	((313/311,503,504,506).ccls. (428/690,917,212).ccls.) and (((electrode cathode anode) with material) same (Be Ti V Cr Mn Zr Nb La Ce Pr Nd Sm Gd Tb Dy Ho Er Tm Lu Hf Ta)) and (((electrode cathode anode) with material) same (H B C N O F Al Si P S Cl Ga Ge As Se Br In Sb Te I Tl Zn Cd Hg)) and (((electrode cathode anode) with material) same (Mo Re Fe Ru Os co Rh Ir Ni Pd Pt Cu Ag Au Hg B Tl Si Ge P As Sb Se Te)) and (trivalent ternary third)	USPAT; US-PGPUB	2003/01/15 10:52

	129	((313/498-512).ccls. (428/690,917,212).ccls.) and (((electrode cathode) with material) same (Be Ti V Cr Mn Zr Nb La Ce Pr Nd Sm Gd Tb Dy Ho Er Tm Lu Hf Ta)) and (((electrode cathode) with material) same (H B C N O F Al Si P S Cl Ga Ge As Se Br In Sb Te I Tl Zn Cd Hg)) and (((electrode cathode) with material) same (Mo Re Fe Ru Os co Rh Ir Ni Pd Pt Cu Ag Au Hg B Tl Si Ge P As Sb Se Te)) and (tertiary trivalent ternary third)	USPAT; US-PGPUB	2003/01/15 11:43
	215	((313/498-512).ccls. (428/690,917,212).ccls.) and (((electrode cathode) with material) same (tertiary trivalent ternary third))	USPAT; US-PGPUB	2003/01/15 11:27
	177	((313/498-512).ccls. (428/690,917,212).ccls.) and (((electrode cathode) with material) same (tertiary trivalent ternary third)) and organic	USPAT; US-PGPUB	2003/01/15 11:21
	35	(display device panel) and (((electrode cathode) with material) same (tertiary trivalent ternary third)) and organic	EPO; JPO; DERWENT	2003/01/15 11:23
	2	(((electrode cathode) with material) same (Be Ti V Cr Mn Zr Nb La Ce Pr Nd Sm Gd Tb Dy Ho Er Tm Lu Hf Ta)) and (((electrode cathode) with material) same (H B C N O F Al Si P S Cl Ga Ge As Se Br In Sb Te I Tl Zn Cd Hg)) and (((electrode cathode) with material) same (Mo Re Fe Ru Os co Rh Ir Ni Pd Pt Cu Ag Au Hg B Tl Si Ge P As Sb Se Te)) and (tertiary trivalent ternary third) and organic and (display device panel)	EPO; JPO; DERWENT	2003/01/15 11:37
	21	bilayer and Hung-\$..in.	USPAT; US-PGPUB	2003/01/15 13:04
	4594	(((electrode cathode) with material) same (Be Ti V Cr Mn Zr Nb La Ce Pr Nd Sm Gd Tb Dy Ho Er Tm Lu Hf Ta)) and (((electrode cathode) with material) same (H B C N O F Al Si P S Cl Ga Ge As Se Br In Sb Te I Tl Zn Cd Hg)) and (((electrode cathode) with material) same (Mo Re Fe Ru Os co Rh Ir Ni Pd Pt Cu Ag Au Hg B Tl Si Ge P As Sb Se Te)) and (tertiary trilayer (tri near2 layer) trivalent ternary third) and (display device panel)	USPAT; US-PGPUB	2003/01/15 11:54
	121	(((electrode cathode) with material) same (fluoride fluorine)) and organic and 313/\$..ccls.	USPAT; US-PGPUB	2003/01/15 12:05
	299	Hung-\$..in. and (cathode electrode)	USPAT; US-PGPUB	2003/01/15 13:05
	93	Hung-\$..in. and (cathode electrode) and (313/\$..ccls. 428/\$..ccls. 427/\$..ccls. 257/\$..ccls.)	USPAT; US-PGPUB	2003/01/15 13:20